

Figure 1

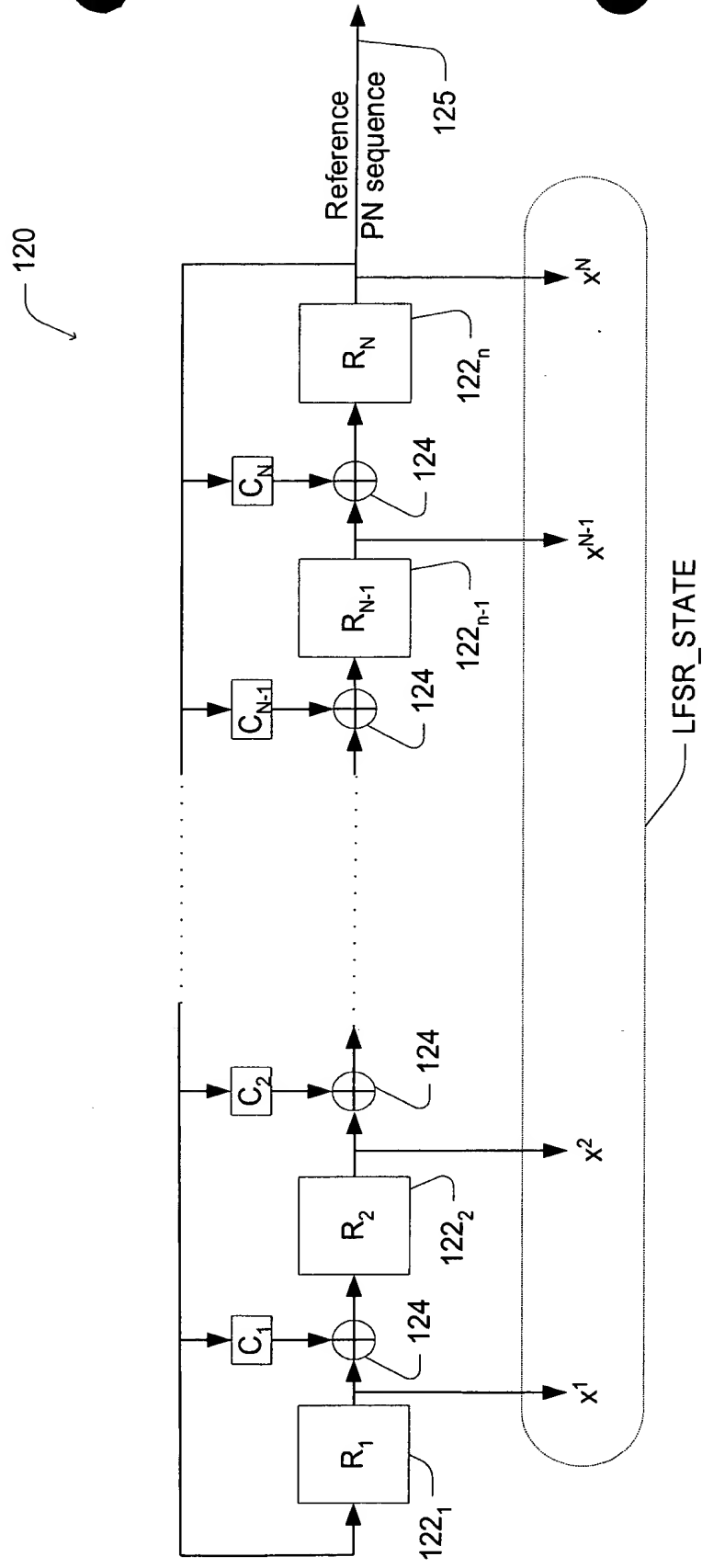


Figure 2

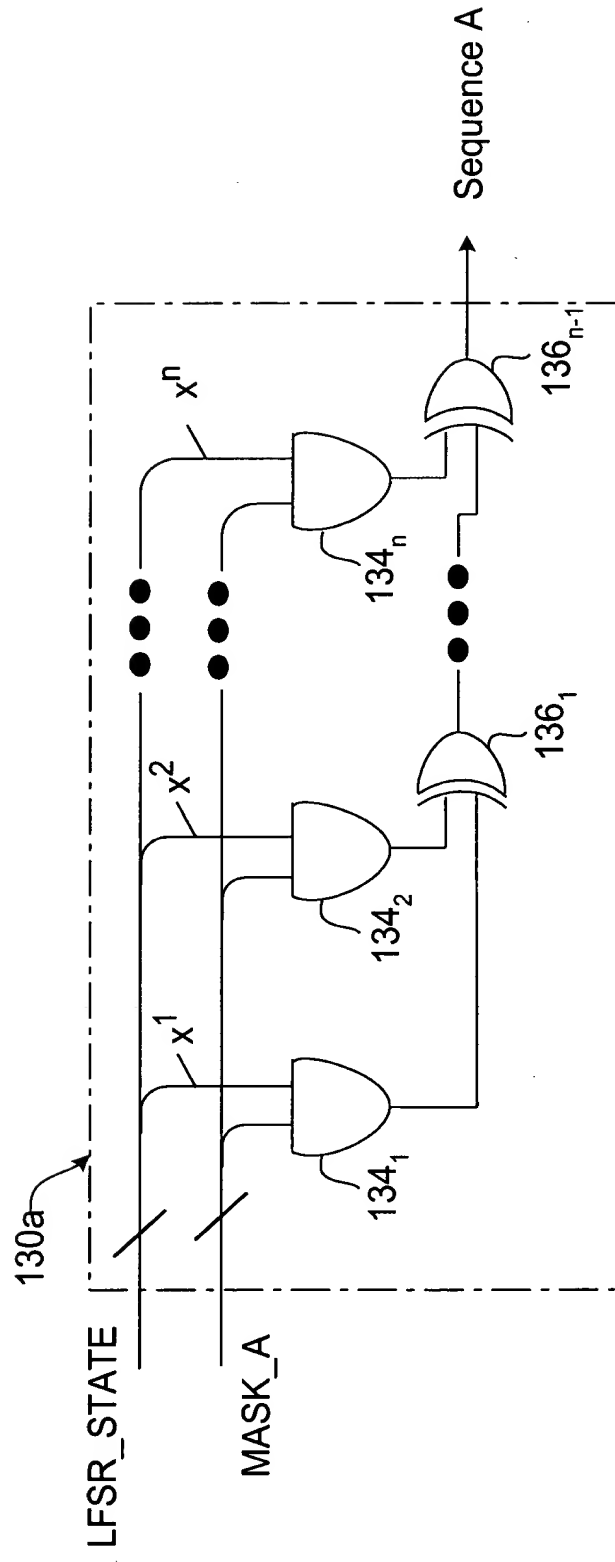


Figure 3

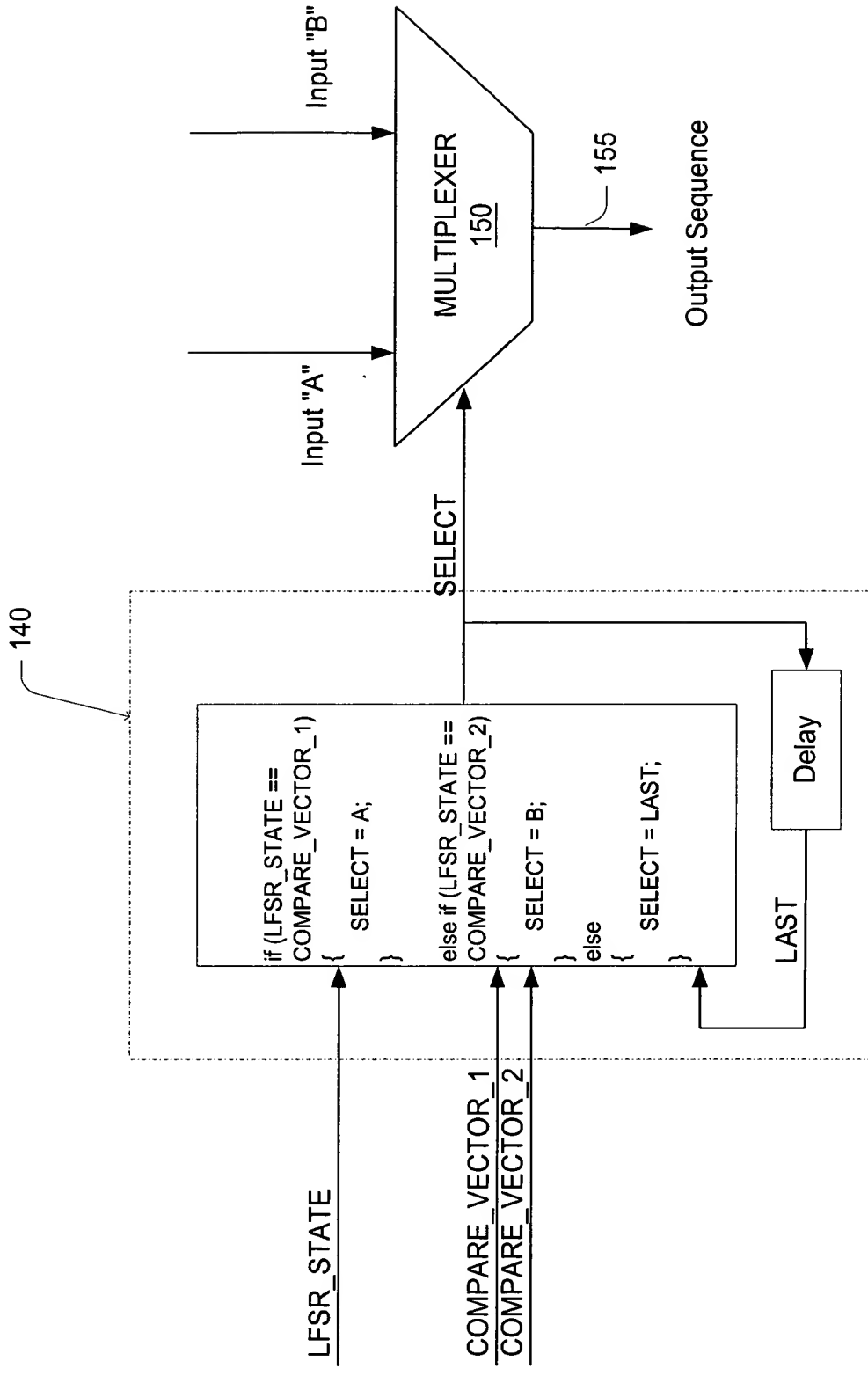


Figure 4

| A | B | C | D | E | F |
|--------------------------|--------------------------------|-------------------------------|-------------------------------|--------|------------------------------------|
| LFSR_STATE | PN Sequence (at output 125) | Sequence A (Mask A = 0101) | Sequence B (Mask B = 1010) | SELECT | Output Sequence (at output 155) |
| 0001 | 1 | 1 | 0 | A | 1 |
| 1001 | 1 | 1 | 1 | A | 1 |
| 1101 | 1 | 0 | 1 | A | 0 |
| 1111 | 1 | 0 | 0 | A | 0 |
| 1110 | 0 | 1 | 0 | A | 1 |
| 0111 | 1 | 0 | 1 | A | 0 |
| 1010 | 0 | 0 | 0 | A | 0 |
| 0101 | 1 | 0 | 0 | B | 0 |
| 1011 | 1 | 1 | 0 | B | 0 |
| 1100 | 0 | 1 | 1 | B | 1 |
| 0110 | 0 | 1 | 1 | B | 1 |
| 0011 | 1 | 1 | 1 | B | 1 |
| 1000 | 0 | 0 | 1 | B | 1 |
| 0100 | 0 | 1 | 0 | B | 0 |
| 0010 | 0 | 0 | 1 | B | 1 |
| 0000 (forced-zero state) | 0 | 0 | 0 | B | 0 |
| 0001 | 1 | 1 | 0 | A | 1 |
| 1001 | 1 | 1 | 1 | A | 1 |
| 1101 | 1 | 0 | 1 | A | 0 |
| 1111 | 1 | 0 | 0 | A | 0 |
| ... | ... | | | | |

Fig. 5

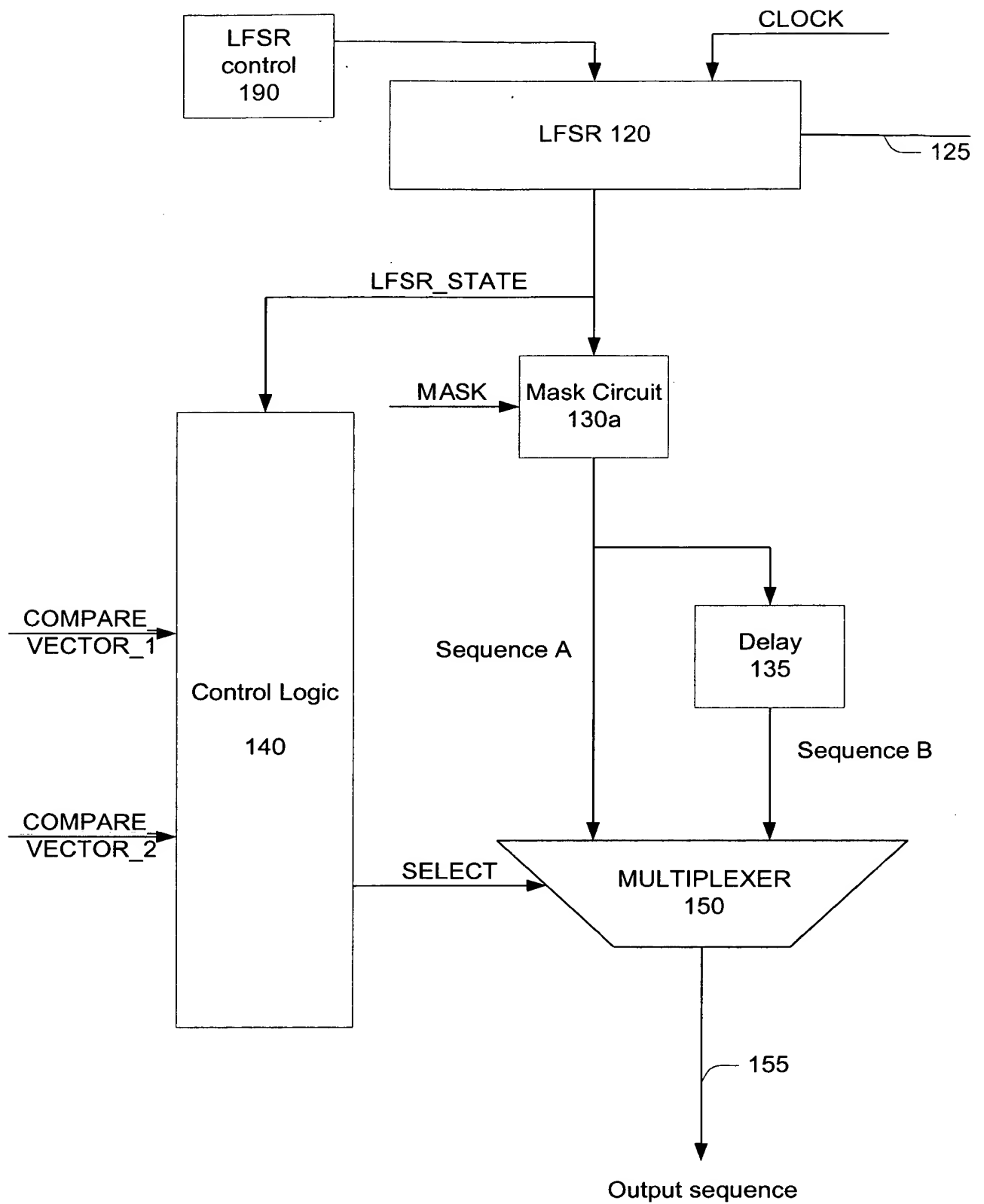


Figure 6